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| Application Number | 10/664,617 |
| Filing Date | September 19, 2003 |
| First Named Inventor | Vipul Shah |
| Art Unit | 1646 |
| Examiner Name | |
| Total Number of Pages in This Submission | Attorney Docket Number 03-28 US |

ENCLOSURES (Check all that apply)

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| Signature | |
| Date | January 14, 2004 |

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DOCKET NO.: 03-28 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

File the Application of:

Vipul Shah

Serial No.: 10/664,617

Filed: September 19, 2003

For: NOVEL FUNCTIONALIZED
POLYMER FOR
OLIGONUCLEOTIDE
PURIFICATION

Examiner: *To be assigned*

Art Unit: 1646

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Sir:

In accordance with the Applicants duty of disclosure under 37 CFR §1.56 and further in accordance with the provisions of 37 CFR §1.97 and 1.98, the Examiner is requested to consider and cite the references listed on the enclosed form.

The filing of an Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be prior art or material to patentability as defined by §1.56.

Copies of the foreign patent references and non-patent literature are enclosed for the Examiner's convenience.

Consideration and citation of the reference is respectfully requested and deemed in order.

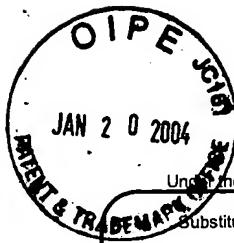
Respectfully submitted,



Bella Fishman
Agent for Applicant
Registration No. 37,485

Date: January 14, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

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U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| 1 | US- 2003/0055241 A1 | | 03/20/2003 | Moore, et al. | |
| 2 | US- RE 34,069 | | 09/15/1992 | Koster, et al. | |
| 3 | US- 4,352,909 | | 10/05/1982 | Barda, et al. | |
| 4 | US- 4,469,863 | | 09/04/1984 | Ts'o, et al. | |
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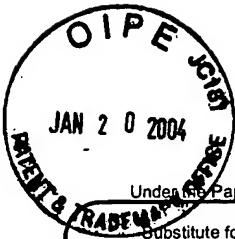
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|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
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| 60 | WO 86/05518 | | 09/25/1986 | Summerton, et al. | | |
| 61 | WO 90/15065 | | 12/13/1990 | Gilead Sciences | | |
| 62 | WO 91/18997 | | 12/12/1991 | Gilead Sciences | | |
| 63 | WO 92/05186 | | 04/02/1992 | Gilead Sciences | | |
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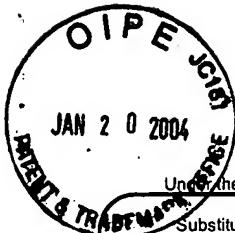
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
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Sheet 3 of 5

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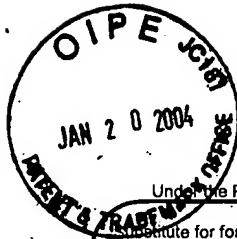
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| Sheet | 4 | of | 5 | Attorney Docket Number | 03-28 US |
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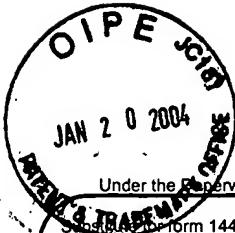
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|--------------------|-----------------------|---|----------------|
| | 64 | Abstract by HAUNG, GJ and KRUGH, TR, entitled "Large Scale Purification of Synthetic Oligonucleotides and Carcinogen-modified oligodeoxynucleotides on a reverse-phase polystyrene (PRP-1) column", download from www.ncbi.nlm.nih.gov, September 9, 2003 | |
| | 65 | Article by BOSCH, JT, et al., entitled "Validation of Sequence-Optimized 70 Base Oligonucleotides for Use on DNA Microarrays", published 09/2003, OPERON, A Qiagen Company | |
| | 66 | Article by KANE, MD, et al., entitled "Assessment of the Sensitivity and Specificity of Oligonucleotide (50mer) Microarrays", published in Nucleic Acids Research, 2000, Vol. 28, No. 22, pages 4552-4557 | |
| | 67 | Article by HUBER, CG, et al., entitled "High-Resolution Liquid Chromatography of Oligonucleotides on Nonporous Alkylated Styrene-Divinylbenzene Copolymers", published by Analytical Biochemistry, 212, pages 351-358 (1993) | |
| | 68 | Article by TALLARICO, JA., et al. entitled "An Alkylsilyl-Tethered, High-Capacity Solid Support Amenable to Diversity-Oriented Synthesis for One-Bead, One-Stock Solution Chemical Genetics", published by Journal of Combinatorial Chemistry, 2001, Vol. 3, No. 3, pages 312-318 | |
| | 69 | Article by TAN, DS., et al., entitled "Stereoselective Synthesis of over Two Million Compounds Having Structural Features Both Reminiscent of Natural Products and Compatible with Miniaturized Cell-Based Assays, published in J. Am. Chem. Soc, 1998, 120, pages 8565-8566 | |
| | 70 | Abstract by STIRCHAK, EP entitled "Uncharged stereoregular nucleic acid analogs: 2. Morpholion nucleoside oligomers with carbamate internucleoside linkages, published in Nucleic Acids Res. 1989, Aug 11;17(15):6129-41. | |
| | 71 | Article by BEAUCAGE, SL and IYER, RP, entitled "The Synthesis of Specific Ribonucleotides and Unrelated Phosphorylated Biomolecules by the Phosphoramidite Method, published in Tetrahedron, Vol. 49, No. 46, pages 10441-10488, 1993. | |
| | 72 | Article by MERTES, MP and COATS, EA entitled "Synthesis of Carbonate Analogs Dinucleosides", published J. Med. Chem., 1969, Vol. 12, pages 154-157. | |
| | 73 | Article by VASSEUR, et al., entitled "Oligonucleosides: Synthesis of a Novel Methylhydroxylamine-Linked Nucleoside Dimer and Its Incorporation into Antisense Sequences" published by J. Am. Chem. Soc, 1992, 114, pages 4006-4007. | |

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NON PATENT LITERATURE DOCUMENTS

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| | 74 | Article by SOOD, A, et al., entitled "Boron-Containing Nucleic Acids" published by J. Am. Chem. Soc., 1990, 112, pages 9000-9001. | |
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| Examiner Signature | Date Considered |
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